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|-------------------|---------------|-----------------------------|---------------------|
| SERIAL NUMBER 886 | FILING DATE 9 | FIRST NAMED INVENTOR NILSEN | ATTORNEY DOCKET NO. |
|-------------------|---------------|-----------------------------|---------------------|

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DINH, e EXAMINER

|                  |                   |
|------------------|-------------------|
| ART UNIT<br>2502 | PAPER NUMBER<br>4 |
|------------------|-------------------|

DATE MAILED:

02/18/92

This is a communication from the examiner in charge of your application.  
COMMISSIONER OF PATENTS AND TRADEMARKS

☒ This application has been examined ☐ Responsive to communication filed on \_\_\_\_\_ ☐ This action is made final.

A shortened statutory period for response to this action is set to expire 3 month(s), \_\_\_\_\_ days from the date of this letter.  
Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133

Part I THE FOLLOWING ATTACHMENT(S) ARE PART OF THIS ACTION:

- |   |  |
|---|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited by Examiner, PTO-892. | 2. <input type="checkbox"/> Notice re Patent Drawing, PTO-948.                   |
| 3. <input type="checkbox"/> Notice of Art Cited by Applicant, PTO-1449.                 | 4. <input type="checkbox"/> Notice of Informal Patent Application, Form PTO-152. |
| 5. <input type="checkbox"/> Information on How to Effect Drawing Changes, PTO-1474.     | 6. <input type="checkbox"/> _____  |

Part II SUMMARY OF ACTION

1. ☒ Claims 4-28 are pending in the application.  
Of the above, claims \_\_\_\_\_ are withdrawn from consideration.
2. ☐ Claims \_\_\_\_\_ have been cancelled.
3. ☐ Claims \_\_\_\_\_ are allowed.
4. ☒ Claims 4-7, 8, 10, 12, 13, 18, 20, 22, 24 are rejected.
5. ☒ Claims 9, 11, 14-17, 19, 21, 23, 25-28 are objected to.
6. ☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.
7. ☐ This application has been filed with Informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.
8. ☐ Formal drawings are required in response to this Office action.
9. ☐ The corrected or substitute drawings have been received on \_\_\_\_\_. Under 37 C.F.R. 1.84 these drawings are ☐ acceptable ☐ not acceptable (see explanation or Notice re Patent Drawing, PTO-948).
10. ☐ The proposed additional or substitute sheet(s) of drawings, filed on \_\_\_\_\_ has (have) been ☐ approved by the examiner. ☐ disapproved by the examiner (see explanation).
11. ☐ The proposed drawing correction, filed on \_\_\_\_\_, has been ☐ approved. ☐ disapproved (see explanation).
12. ☐ Acknowledgment is made of the claim for priority under U.S.C. 119. The certified copy has ☐ been received ☐ not been received  
☐ been filed in parent application, serial no. \_\_\_\_\_; filed on \_\_\_\_\_.
13. ☐ Since this application appears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.
14. ☐ Other

EXAMINER'S ACTION

Art Unit 2502

The drawings are objected to because page 18 of the specification set forth a junction Jy is connected with the ballast output terminal BOT<sub>2</sub> whereas fig.12 shows junction Jy is connected to the B-bus. Correction is required.

Claims 10, 12, 20, 22 are rejected under 35 U.S.C. § 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The connection of the first tank capacitor and a first transistor between the first AC terminal and the reference terminal as recited in claims 10, 12, 20 and 22 makes the scope of these claim unclear. Note that claim 8 sets forth a first AC terminal (Jx, not Jq) connected to the inductor.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --  
(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 4-7, 13 are rejected under 35 U.S.C. § 102(b) as being clearly anticipated by Zansky (4,370,600).

Claims 8, 13, 18, 24 are rejected under 35 U.S.C. § 102(b) as being clearly anticipated by Zansky (4,392,087).

Claims 9, 11, 14-17, 19, 21, 23, 25-28 are objected to as being dependent upon a rejected base claim, but would be

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allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

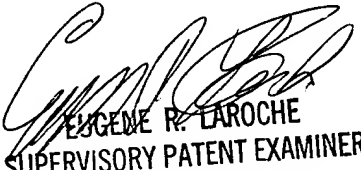
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- 1) Anderson et al. discloses a stored charge inverter circuit with rapid switching.
- 2) Van Meurs et al. disclose an electric arrangement for igniting and supplying a gas discharge lamp.
- 3) Bruning et al disclose a power supply with energy storage for improved voltage regulation.
- 4) MacAskill et al. disclose an electronic energization circuit that includes a transformer with a substantially rectangular hysteresis loop.
- 5) Almering et al. disclose a DC-AC converter for supplying a gas discharge lamp.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Son Dinh whose telephone number is (703) 308-4943.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0956.

Dinh/dw   
February 13, 1992

  
EUGENE R. LAROCHE  
SUPERVISORY PATENT EXAMINER  
GROUP ART UNIT 252